

From owner-qrp-1@Lehigh.EDU Thu Sep 19 23:12:30 1996
From: TimMcFadden <101346.3062@compuserve.com>
Subject: [167] 20 or 40??
Message-ID: <960919122016_101346.3062_GHW120-1@CompuServe.COM>

Just a quick question to the net. I am going to buy or build a QRP rig. I am living in Southern Germany. What does the group recommend for the best QRPing across the "Big wet". 20m or 40m.

Tnx in advance to all that respond to this questions and tnx for the bandwidth.

73 from Beer Land

Tim DA2TF / KB2RLB

From owner-qrp-1@Lehigh.EDU Thu Sep 19 23:12:30 1996
From: ukii@megsinet.net (ukii)
Subject: [206] 49er help...mispoken
Message-ID: <01BBA679.88B2E660@ dial1112.megsinet.net>

Sorry for bothering all of you again. I misspoke when I said the voltage regulator was getting very hot, its the FINAL amplifier that is cooking... Q3.. It gets extremely hot for some reason... any ideas?...

Also, just noticed, the ONLY time I can actually hear a signal is if I use a tiny METAL screwdriver and touch C2, the trim cap. I noticed only if I touch the "positive" side of the cap, or anywhere along that line on the schematic. (not the grnd side) I was trying to peak C2, as the book says, but couldn't get my nylon screwdriver in it, so I used my wife's jeweler's screwdriver, metal, and bang, I was hearing cw!!! a k6uu/aa??? anyway, please help me! I am LOST... thanks very much... Best 73 de John N9UKX

From owner-qrp-1@Lehigh.EDU Thu Sep 19 23:12:30 1996
From: kb9kol@juno.com (William J. Nickrand)
Subject: [182] 49er Loudness ACHIEVED
Message-ID: <19960919.110446.12271.0.KB9KOL@juno.com>

Thanks to everyone for their input. The audio level was made acceptable by the simplest mod of all. I change earphones. Previously, I had been using one of those old, stick in the ear, transistor radio earphones. I

switched to my old, "ear muff" stereo headphones and what a difference. Strong white noise, no BCI, strong CW. FYI, only mods installed are the 180pF cap, the RFC4 toroid and the 470-1.5-470 filter. Now it goes into enclosure with off-board tuning cap (from old AM radio) and off-board RF gain, sidetone mod. Might even put in an audio filter. I just hope those 200 mw don't cause TVI (tehee)

From owner-qrp-1@Lehigh.EDU Thu Sep 19 23:12:30 1996
From: "W. D. (Doc) Lindsey" <70511.3041@CompuServe.COM>
Subject: [156] 600 ohm feedline length?
Message-ID: <960919041356_70511.3041_IHD34-2@CompuServe.COM>

Hi Gang:

I am planning to build a 66' dipole...and will feed it with 600-ohm ladder line. Will of course use a tuner. The whole thing will become an inverted vee.

My question--What should the optimum feedline length be? IE, is there an absolute minimum length?

Also, what problems will I likely encounter? And, what is the best method of feeding it into my shack from outside the house? Finally, what recommendations do you have for terminating the line (the tuner has simple wingnut terminals, in addition to the standard 239 connector)?

Many thanks for all input received.

73,
--Doc/K0EVZ

From owner-qrp-1@Lehigh.EDU Thu Sep 19 23:12:30 1996
From: "Richard Hieber" <Richard.Hieber@rrze.uni-erlangen.de>
Subject: [187] ? GQ-40 bugs and mods?
Message-ID: <3828326A19@isis.rrze.uni-erlangen.de>

Hi gang,

I did it! I wrote "mods" in the subject line! The devil forced me to do it... ;-}

More to the point, my friend Helmut who is not online asked me - since

I am living on the 'net :) - to find out more about the GQ-40 transceiver that he is currently building. I remember having seen quite a comprehensive list of bugs and/or modifications for this kit. Unfortunately the LISTSERV SEARCH command applied on the archives at LEHIGH.EDU gave me lots of hits on "GQ-40" and "HANDS" but no clue where I could find a summary.

If you have it, please send it to me or give me a pointer where to find it. Thanks!

72,
Richard

--

Richard Hieber, DL8MFQ/AA8CP
EMAIL: Richard.Hieber@rrze.uni-erlangen.de

From owner-qrp-1@Lehigh.EDU Thu Sep 19 23:12:30 1996
From: Philip Karras <ke3fl@access.digex.net>
Subject: [194] Antenna Element Width & Bandwidth, CALL FOR HELP
Message-ID: <Pine.SUN.3.94.960919165240.3519A-100000@access1.digex.net>

If any and all of you would be willing to measure your bandwidth for SWR of 2:1 I will plot it and come up with a best curve fit to see just how this stuff works.

Please tell me the following:

center freq (MHz)
Bandwidth (KHz)
Wire guage or diameter

That should be all I need to get started. I don't think we'll see much change for HF frequencies.

72 & 73 de KE3FL/Phil
:-)

From owner-qrp-1@Lehigh.EDU Thu Sep 19 23:12:30 1996
From: Alan Kaul <kaul@netcom.com>
Subject: [161] Defining Moderation :

Message-ID: <Pine.3.89.9609182357.A271-01000000@netcom18>

Many of you seem to be thinking about ''MODERATE'' in terms of THE RANDOM HOUSE DICTIONARY'S 8th usage: the verb -- ''to preside over at a public forum or debate."

When I first saw the word in the subject line, I was thinking of the dictionary's 1st usage: the noun -- "not extreme, excessive or intense."

If more of us would agree to post to qrp-l using moderate as a noun, there'd be little need for anyone to moderate (the verb).

72/73 de alan

[<Alan Kaul, W6RCL>] kaul@netcom.com

From owner-qrp-l@Lehigh.EDU Thu Sep 19 23:12:30 1996
From: sigcom@juno.com (Stephen M Smith)
Subject: [207] DX-394 receiver
Message-ID: <19960919.150955.8311.0.sigcom@juno.com>

Has anyone tried the Radio Shack DX-390 receiver and if so, how did/does it impress you? I noticed they reduced the price by \$100 in the 1997 catalog.

Thanks and 73.....Steve, WB6TNL

From owner-qrp-l@Lehigh.EDU Thu Sep 19 23:12:30 1996
From: n4so@juno.com (CHARLES K BROWN)
Subject: [162] Expletive
Message-ID: <19960918.231855.4439.8.n4so@juno.com>

Received my first post from Larry V. East with an expletive.

Here is the source:

lve1@inel.gov

=====

Ken Brown
QTH Near Mobile, AL
QRP-L #622
n4so@juno.com

From owner-qrp-l@Lehigh.EDU Thu Sep 19 23:12:30 1996
From: ukii@megsinet.net (ukii)
Subject: [191] Help with 49er
Message-ID: <01BBA632.92A9D580@dia1112.megsinet.net>

Hello,

Well,I managed to get stuck already...(49er kit)
Can anyone please check capacitor C-13 and see if it IS
polarized? The c-13 I received is marked 22uf 25volts and it has
the letters BP on it. There is no short or long leads,and the cap
is not marked + or - anywhere... I am under the impression the
BP stands for "bipolar"???
any help would be great... I am waiting impatiently for your reply..
THANKS...de john
N9UKX

From owner-qrp-l@Lehigh.EDU Thu Sep 19 23:12:30 1996
From: bill@techline.com (Bill Todd)
Subject: [170] I finally did it!
Message-ID: <199609191438.HAA27375@wishkah.techline.com>

You have been assigned QRP-L member #715.
Use it only for good, not evil.

*** Obe won, I will do my best....
I have attempted to join the QRP-L at least 4 times over the past 6 months,
but always pushed the wrong keys, or maybe it was my cats fault for stepping
on the kwyboard just before I sent off my request (yeah...that's it).

Whoever invented the on-line registration from the QRP_l Web Page should get
some kind of special award! ***

CUL, Bill-N7MFB
QRP-L #715

From owner-qrp-1@Lehigh.EDU Thu Sep 19 23:12:30 1996
From: Doug Hendricks <ki6ds@dpol.k12.ca.us>
Subject: [186] KC-2 Hint
Message-ID: <1.5.4.16.19960919095220.246f46fa@telis.org>

Mounting the KC-2 Display the Easy Way!
by Doug Hendricks, KI6DS
862 Frank Ave.
Dos Palos, CA 93620

When you build the KC-2 Frequency Display/Watt Meter/Keyer/S Meter from Wilderness Radio, one of the critical areas is getting the display mounted the right height above the board. If it is too high, the display could be damaged when you mount it, and if it is too low, you will have a gap around the display.

But, don't despair, there is a very simple solution. Take the panel that you are going to mount your KC-2 in and have the holes predrilled for the switches and the rectangular cutout for the LCD display done. Mount the 4 resistors, capacitor C1, and the LCD driver chip on the display board. Then, mount the 4 switches, making absolutely certain that they fit flush on the board. Now comes the fun part.

Place the LCD display on the board and insert the pins in the proper holes, making sure that it is oriented correctly. DO NOT SOLDER any pins at this time. Mount the display board to the front panel, using the lock washers and nuts from the switches. Tighten the nuts firmly, but not excessively. Now, place the panel on the bench upside down, and gently push on the display to let it rest on the back of the panel. Gravity did mine for me, but be sure to check both sides. When you are sure that the front panel is lying next to the front panel and is the proper height above the board, solder the four pins, 1, 20, 21 and 40 (the four corner pins).

Next recheck everything, then disassemble the front panel and KC-2. The display is now the perfect height, and it was easy to do. Now you can solder the rest of the pins. I soldered mine on both the front and back of the board using a very fine tipped iron. Mine worked perfectly, and it was not a problem. I hate to think what it would have looked like if I tried to measure and solder. Oh, one more thing, leave the protective cover on the LCD until you are ready to mount it permanently. Good Luck, 72, Doug, KI6DS

From owner-qrp-1@Lehigh.EDU Thu Sep 19 23:12:30 1996
From: tkell@nyx.net (ted kell)
Subject: [188] Looking for JUNO

Message-ID: <9609191747.AA08561@nyx.net>

I know that this is not really QRP, but it does have to do with e-mail and therefore this list, so here goes.

Having just acquired a computer at home, I am trying to get JUNO mail software. So far, nothing has arrived in the mail so I was wondering if someone that has a copy could ZIP it and place it somewhere that I could download it for use on my PC.

Lest any think I am encouraging software piracy, I quote from their (JUNO's) welcome message:

7. Can I make copies of the software for my friends?

Absolutely. Once you have the Juno software, we encourage you to copy it as often as you want and give copies to as many people as you think might be interested.

So, can anyone help me?

Jim E., would this make sense to put in the tools directory?

TIA

Ted

From owner-qrp-1@Lehigh.EDU Thu Sep 19 23:12:30 1996
From: ukii@megsinet.net (ukii)
Subject: [204] More HELP!!! 49-er
Message-ID: <01BBA669.2F8D8000@dial112.megsinet.net>

Oh Boy,yes,me again...

I received a few replies about c13 being a bipolar audio cap,so I went ahead and used the one supplied with the kit. I soldered everything,rechecked,and then checked again for solder bridges. I could "see" nothing wrong. I powered it up and heard a VERY faint crackle. I tuned and tuned but couldnt get anything. (yesmI had an antenna on it) I then switched to the dummy load and hit the keyer once,,it has output,but when I released the key, the audio came WAY up. Then I could tune and hear "some" signals. However,I noticed the voltage regulator got SUPER hot...(i had the heat sink on). I quickly disconnected the battery and checked everything

again. I cant see anything wrong here... But when I hook up the battery,the same thing happens over and over.. Low to no audio,hit the key,then loud audio,then the transistor gets super hot... Is this normal? I am using a 9volt battery.

Please,any ideas where to start looking before I blow it up? ANY help would be great...(did I forget to tell ya something?(it is not in a case yet,had it sitting on cardboard,thats it I guess))

Thanks for your help...

73 de john

N9UKX

From owner-qrp-1@Lehigh.EDU Thu Sep 19 23:12:30 1996
From: Dennis Marandos <k1lgq@dennis.mv.com>
Subject: [169] New England QRP AFIELD RULES
Message-ID: <1.5.4.32.19960919152950.002d7ba0@pop.mv.net>

Hi gang,

Several people have written asking the same two questions. Obviously something I need to clarify in the rules for next year, but for now:

Q Can I work the same station on different bands?

A Yep. Same station, different bands = different contacts. However, multipliers count ONLY ONCE regardless of band worked. In other words, if you work AA1EX on both 40 and 15, that counts as two contacts, but you get to count the NH multiplier only once.

Q What about multi-op stations?

A No problem. Clubs, multi-ops, etc. can enter the contest. However, you must use only one call sign and only one transmitter. We do not have any provision for multi-transmitters. In other words, if several friends and I hike up the Wapack Trail behind my house and set up a station, we can each operate the station. However, we all use the same call sign and transmitter. If we chose to use two (or three) transmitters at one site, each transmitter must use a different callsign and each is a separate entry in the contest.

Sounds like there's lots of interest in this year's contest. Hope we DOUBLE the number of entries!

73/2,
Chet, AA1EX, NE#59

```
| CHESTER S. BOWLES          | Education, rehabilitation, housing, |
| Vice President             | and managed care for children,      |
| Crotched Mountain Foundation | adolescents and adults with physical |
| One Verney Drive           | and developmental challenges.        |
| Greenfield, NH 03047       | http://www.cmf.org                  |
| 603.547.3311 ext. 404      | bowles@cmf.org                      |
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*-----*
| CHESTER S. BOWLES          | Education, rehabilitation, housing, |
| Vice President             | and managed care for children,      |
| Crotched Mountain Foundation | adolescents and adults with physical |
| One Verney Drive           | and developmental challenges.        |
| Greenfield, NH 03047       | http://www.cmf.org                  |
| 603.547.3311 ext. 404      | bowles@cmf.org                      |
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From owner-qrp-1@Lehigh.EDU Thu Sep 19 23:12:30 1996
From: Alex Mendelsohn <alexm@pennwell.com>
Subject: [177] PA0KSB anti-drift circuits
Message-ID: <35CB102E01E40200@smtp.pennwell.com>

Laura Halliday writes:

```
>lhalliday@creo.bc.ca
>To: qrp-1@Lehigh.EDU
>Subject: [4043] Re: Huff and Puff
>Message-ID: <9608118424.AA842486687@mail.creo.bc.ca>
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>I didn't want to post anything about the innards of Huff and Puff
>until I'd had a chance to try it myself, but I've gotten lots of email
>asking about it, so here goes...
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>The idea dates back to the 1970s, when PA0KSB figured a way to
>stabilize a VFO by comparing its frequency to a stable crystal
>oscillator.
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I really enjoyed Laura, VE7LDH, Halliday's comments about drift-correction circuitry. In fact, I've been looking for years for the appropriate references for this information originally discussed by PA0KSB.

I was flabbergasted to see the info here on the QRP-L list! FB indeed.

A few years ago I ran SSB mobile on a long New Yawk commute. I used an Atlas 210-X and a center-loaded whip and had a ball during the peak of the last sunspot cycle. I know, it's not QRP, but it's still a lot more challenging than operation from the home QTH. What's more, it's absolutely amazing, when a DX station picks you outta a pileup with the words: "The mobile station, and the mobile station only, please, GA." It's the same experience I've had on SSB with my Argonaut 509 and 515 when the DX asks for "the QRP, and the QRP station only!"

In any case, the 210-X is quite stable, except on 10 meters, where it drifts like a bandit. I still have the lil 210-X and have thought abt putting it back in my new car or perhaps on the Sea-Q, the 25-ft. sloop that Paul, AA1MI and I share. It's such a beautifully constructed rig that I can't stand the thought of parting with it. It's made with glass epoxy boards, gold plated edge connectors and Teflon wiring (no wonder Atlas couldn't compete with the Japanese boxes). It also has a 2.7 kc-wide IF filter (at the 3 dB points) that's only about 4.5 kc wide 90 dB down. Brickwall, fer sure!

Now, dear Laura, what's the Huff and Puff? And, can you tell me any more abt the anti-drift circuit that was described specifically for the Atlas? I'd be happy to defray the cost of a xerox of the original article, or even the Feb. 1996 QEX article (I really must subscribe to QEX agn).

MNI TKS!

Vy 73, Alex, AI2Q in Kennebunk, Maine, QRP-L #687

From owner-qrp-l@Lehigh.EDU Thu Sep 19 23:12:30 1996
From: Bill Acito 19-Sep-1996 0844 <acito@asdg.ENET.dec.com>
Subject: [168] QRP Afield, KC1GS
Message-ID: <9609191251.AA22061@us1rmc.bb.dec.com>

Planning one of two tentative QTH's for the contest; either Portland (ME) Head Light running mobile with the QRP++ and Hamstick whips, or from the QRP-NE Field Day site, Mt Wachusett, north central Massachusetts, running the rig with a Carolina Windom. When I give the state in the exchange, you'll know which one.

Planing on 40 and 20, will listen on 15 every so often.

Probably my last contest with this call. :-)

b

. - I own my own words -
Bill Acito
acito@asdg.enet.dec.com
|d|i|g|i|t|a|l| Digital Equipment Corporation Hudson, MA

KC1GS qrp-ne qrp-l adv-rs arci norcal amsat-na arrl-life

From owner-qrp-l@Lehigh.EDU Thu Sep 19 23:12:30 1996
From: wa5whn@juno.com (Jay D Miller)
Subject: [178] QRP AField, Sept. 21, 1996 Theme: Towers
Message-ID: <19960919.092116.4439.0.wa5whn@juno.com>

Dear QRP AField Participants,

NA5N, K8BI, AB5OU, N5ZGT, KC5DT & I will be operating QRP AField, Sept.
21, 1996 from the following lat. & long. ;

Lat: 34 degrees 40 minutes 51.0 seconds North
Long. 106 degrees 20 minutes 41.5 seconds West

(Already has been down to 32 degrees F, at this site)

We will operate, using one callsign, and Yes, we will be keeping with the
Theme (Towers & Lighthouses). We will be operating 3 elements (Yagi) on
10/15/20 meters & a 40 meter dipole, from Torreon (Spanish, noun-male
gender which means "Tower"), so essentially, we will be operating from
Tower, New Mexico, in Torrance County. This area is on a private Ranch,
and occasionally a bear & coyote wander through. So, when You hear the
teeth chattering & the code sounds a bit strange, please be patient, we
are actually in the Rocky Mountains, on the East Slope of the Manzano
(Spanish, noun, male gender-Apple) Mountains. Time to fire up the AK-1
(Atomic Keyer), we may need the excess heat ;) Looking forward to this
one People & let's see if we can pounce upon some of these New England
Hams, who usually win this contest. We can say "Chowda" & "Dater", with
some training. We will be using cw, since we can not understand what the
People in New England are saying anyway ;) by phone. I keep dropping
the "R's" in the wrong places, and having to go back and clean them up
later. ;)

72...Listen this weekend...Jay, WA5WHN

From owner-qrp-l@Lehigh.EDU Thu Sep 19 23:12:30 1996
From: "evans ken" <evans.ken@wgs-2.bwi.bls.com>
Subject: [189] QRP+ - Worth??
Message-ID: <n1368981418.43212@wgs-2.bwi.bls.com>

I posted an FT 50R and a QRP + for sale earlier this week. The 50R is gone, but the QRP+ remains.

No offers or questions on the QRP+ to date. It includes an E-Prom upgrade, a microphone and a switching power supply. Was asking \$550.00 shipped USA. Is this price in the ball park. I'm wondering because of no offers or questions at ALL!!

Ken K3RFN
evans.ken@bwi.bls.com

From owner-qrp-l@Lehigh.EDU Thu Sep 19 23:12:30 1996
From: Steve Hideg <Steve.Hideg.1@nd.edu>
Subject: [158] QRP-L Member services via WWW
Message-ID: <v03007805ae66844afd00@[129.74.35.16]>

Greetings,

I have just implemented an important enhancement to the Internet QRP Club WWW site.

Members can now issue commands to the listserver via theWorldwide Web.

Among the commands available:

- Subscribe (for people who wish to join, obviously)
- Unsubscribe
- Get a QRP-L number
- Get a list of subscribers
- Get a list of member numbers
- Set DIGEST mode
- Set normal ACK mode
- Set POSTPONE mode (if you go on vacation and don't want a flooded mailbox)
- Get a list of files at ftp.lehigh.edu
- Get Great Circle bearings between two callsigns
- Get Great Circle bearings between two locations specified by Lat/Lon

You must know the e-mail address you subscribed to QRP-L with exactly for these commands to work for you.

These commands are accessible in the Club Information section of the Internet QRP Club WWW Site:

<<http://qrp.cc.nd.edu/QRP-L/>>

You can go to the Club Information page directly at:

<<http://qrp.cc.nd.edu/QRP-L/clubinfo.html>>

Feedback is always welcome.

72,

--Steve

Steve Hideg, N8HSC/9 QRP-L #136
Check out the Internet QRP Club's site on the WorldWide Web:
<<http://qrp.cc.nd.edu/QRP-L/>>

From owner-qrp-l@Lehigh.EDU Thu Sep 19 23:12:30 1996
From: Tom <wa8dxd@magicnet.net>
Subject: [163] QRPWORLD.COM
Message-ID: <2.2.32.19960919135417.006ca4cc@mailhost.magicnet.net>

Hi Gang:

This is an announcement to introduce you to QRPWORLD.COM.

Access = <http://www.qrpworld.com>

This site has just made its debut on the www and you're the first to know. We hope this site will develop into a valuable additional bookmark on your browser. Heck, you might even be able to eliminate some since we hope to provide links to all your favorite QRP sites. We also offer ftp access. Though I've been pretty silent on the QRP-L, I have read quite a bit of the mail and noticed some of you have files that are longer than what might be considered etiquette to post here. For such items, we can offer a posting on QRPWORLD for download from our ftp site.

Please feel free to check out qrpworld.com and post your comments. There's a short form at the site for just that purpose. Thanks for the bandwidth!

73, Tom WA8DXD

From owner-qrp-1@Lehigh.EDU Thu Sep 19 23:12:30 1996
From: Marc Haverals <on6aa@unicall.be>
Subject: [160] QUAD ANTENNA'S PLEASE ???
Message-ID: <32402886.18CB@unicall.be>

Hello from Belgium,
I wonder if somebody could help with schematics of 30 M and/or 40 M quad antenna's.
2 elements will be enough I guess HI HI.
Many thanks in advance.
Marc
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(_)                               )  
|                               |  
|          ON6AA               |  
|        Marc Haverals        |  
|      Westende - Belgium     |  
| tel. ++ 32 (0)58 238710     |  
| email: on6aa@unicall.be     |  
|                               |  
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From owner-qrp-1@Lehigh.EDU Thu Sep 19 23:12:30 1996
From: Doug Hendricks <ki6ds@dpol.k12.ca.us>
Subject: [181] Sept. QRPp Mails Monday
Message-ID: <1.5.4.16.19960919080735.0b171368@telis.org>

Guys, the September issue of QRPp will mail on Monday. It is a little late, but still being mailed in September. This one is bright yellow, and is the 14th issue of the journal. I hope you enjoy it.

Also, when you read the article on the St. Louis Vertical, the SouthBend SD-20 is available from SouthBend. The club has ordered 24 of them in a bulk purchase, but will only sell them on a pick up basis, due to the problems in shipping the rods. The cost of the rods will be \$20 and we should have them by the October meeting. 72, Doug, KI6DS

From owner-qrp-1@Lehigh.EDU Thu Sep 19 23:12:30 1996
From: w0irw@kktv.com
Subject: [199] Sierra Band Module for 1750 Meters
Message-ID: <TCPSMTP.16.9.19.-15.39.52.2240783031.2031601@kktv.com>

LowFER's are people who operate license free on 160-190KHz under FCC Rules Part 15. If you want to find out more, read Part 15 or check out these URL's:
<http://www.bluefin.net/~mike/hobby.html>
or <http://users.aol.com/lwcanews/lwcanews.html> (Longwave Club of America). There is a list of beacons across the US there also.

This is a guide of how to build a Sierra Band Module for 160-190 KHz. The good news is that the receiver works. The bad news is that the transmitter won't pass these low frequencies. But there is plenty of output to drive an external amplifier and since the rules only allow 55 feet of antenna including the feed line, it is better to have an external transmitter that you can put right at the base of the antenna anyway. You can build a crystal controlled rig or use the Sierra to drive a rig like a VFO. (More bad news, The KC-2 puts out RF in this range but all you have to do is decouple it or switch it over to the "S" meter function to disable the counter.

Here are the details: (get ready for 1750 meters - it will be a ham band some day)

C1,2,33,36,64,70 Cap, Var 12-100pf (leads must be trimmed to fit PWB), Mouser 242-3610-100
C47,49 0.01MFD 100V Disk or Chip
C48 0.26MFD 100V Disk or Chip
C32 & C35 Not required
C34 300pf Disk
C65 15pf Disk
L1 Ind, 12.2 mH, 109 T #30AWG (65") on F37-77 Core (blk)
T1 Xfmr: sec same as L1
pri 2T #28 (3") on F37-77 Core
L3 Ind, 3.4mH, 61T #30AWG (32") on F37-77 Core
L4 Ind, 5.2mH, 70T #30AWG (38") on F37-77 Core
L5,6 Ind, 56uH, 6T #28AWG (6") on F37-77 Cores
L8,9 Ind, 19.5uH, 17T #28AWG, (11") on F37-61 Cores (also blk)

X8 Xtal, 8.100MHz (fund. ICM 433162) Gives range of 100 to 250KHz (as the dial reads 0-150).

e.g.: 160KHz = 60 on dial and on the KC-2, 190KHz = 90 on dial and KC-2.

Receiver usable bandwidth is only 15KHz depending where you tune C1 & C2.

Jumpers - None required for KC-2

PWB for band module - obtain from Wilderness Radio

Info on the band pass filter - PMO BPF = 5.075 to 5.23MHz

Cut the trace at band module pin 13, and run this vfo output to your external transmitter, and

jumper C31 with a 100pf cap to get the output up to 4V P-P. C31 must be changed back to 10pf for all other bands. Small clip leads attached to a 100pf capacitor do this easily.

Maybe a slinky could be used for a base loading coil, i can't find mine...

This is all preliminary data and has not been seen/approved by N6KR or Wilderness Radio or anyone else for that matter. Your comments are invited.

72 de w0rw@kktv.com Paul

From owner-qrp-l@Lehigh.EDU Thu Sep 19 23:12:30 1996

From: Doug Hendricks <ki6ds@dpol.k12.ca.us>

Subject: [185] The Sierra Revisited (Long)

Message-ID: <1.5.4.16.19960919093824.35c7543a@telis.org>

Guys, I have just had one of the great experiences of my life as a ham. In 1994, Wayne Burdick, N6KR, designed the Sierra as a club project for the NorCal QRP Club. I was lucky enough to build the second Sierra ever built, (Wayne built the first) and I thoroughly enjoyed it. It has become my rig of choice. The club did 125 of the rigs, and then Wilderness Radio was formed and took over the distribution of the Sierra, along with the NorCal 40A. The club wanted to move on to other things, and Wayne did not want to see the design die, so it was transferred to Wilderness.

Wayne improved the design of both rigs, and he developed the KC-1, then the KC-2 came along last spring. That was the deciding factor. Here was a chance to get a digital display, memory keyer, power meter, and S meter all in one tiny package. Plus, Wilderness was offering a pre-punched front panel so the hassle of cutting and drilling my own could be easily avoided. Other features have been added to the Sierra, including ABX variable

filtering, which is a must, in my opinion, for a serious CW rig. I decided to buy a Wilderness Sierra at Dayton last year, and took advantage of their 10% off Dayton Special. Bob Dyer sent me the kit and I put it in the "queue of projects to build".

Then last Saturday, Jim Cates and I set up a QRP station at the Foothill Swap Meet, and we invited Stan Cooper to bring his Sierra that he had just finished installing a KC-2 in to demo. Wow, was I impressed, here was a thing of beauty. Stan is a master craftsman, (see his Sierra on the front cover of the July Issue of QQ) and his installation of the KC-2 in the pre-punched painted and screened panel from Wilderness is typical of his meticulous attention to detail. Just after Stan unpacked his Sierra, Bob Dyer of Wilderness walked up and handed me my front panel for the Sierra that I had ordered. I didn't have a chance. Now I had the Sierra kit, the KC-2, and the front panel. It was time.

Sunday, I started the kit. It brought back fond memories of many, many phone calls from Wayne and Bob Warmke, W6CYX, as we built the first Sierras. But this kit is a far cry from that first club project. This is a Cadillac, a Rolls Royce, a Mona Lisa, a work of art. The case, the board, the manual, the packaging, all are top of the line. It is apparent when you unpack the kit, that this is quality. If you have ever opened and closed a door on a Yugo, and then compared that to the same thing with a Mercedes, you know what top of the line quality is.

Wayne Burdick is a genius. He combines so many things in his design. The packaging, the size, current drain, efficiency of parts, the quality of layout, the board itself, the parts. Every tiny detail was attended to. The first thing I noticed when I started building was that every part fit exactly like it was supposed to. Every capacitor fits the layout. Every transistor is the right one. Other designers take note: Design your boards for parts that you can find, and then FIND THOSE PARTS!!! I hate it when I have to jerry-rig a capacitor to fit. When I mention this to the designer or kit supplier, they say, "Gosh, we just can't find those caps anymore, so we had to sub the ones you got. They work fine, it is just a small packaging difference." Yes you are right, they work fine, but the packaging difference is huge in my opinion.

The Sierra Manual is outstanding. In fact, the Sierra is so easy to build that I would recommend it as a first rig for builders who are serious about wanting to have a quality rig. The receiver came up perfectly when I plugged in the power and flipped the switch. I did have a small problem with the transmitter, but Bob Dyer talked me through the problem in 10 minutes on the phone. (I had missed a solder connection on the resistor array) This rig is a snap to build.

The advantage to building a Sierra is that the case is included, all connectors are board mounted, and there is no wiring of controls and

connectors. When you finish mounting the parts, you are ready to "rock and roll". The new Wilderness case is much improved over the original. It has been redesigned to take care of the minor problems that the first ones had. The side angle brackets that are welded on and then use pem nuts to fasten the bottom of the case make it solid as a rock. The fit is outstanding. Every screw lines up and just drops in. The front and back panels mount perfectly, and it is easy to produce a great looking finished product that is a "fit", not a cludged up mess as I have been known to produce in the past.

The Sierra and KC-2 are finished now, and I am pleased. When I think of what has happened with that kit due to the great upsurge in QRP activity, I am proud. The concept of doing club projects to beta test designs is a wonderful idea. Wilderness Radio, with its Sierra and NorCal 40A, KC-1, and KC-2 are certainly great examples of the what can be done. NorCal members have contributed a lot to the hobby with their work and feedback to Wayne. We have all been winners.

If you have been thinking about the Sierra as a kit, do it. In my opinion, it is the very best kit on the market when all things are considered. Building, operating, and features, the Sierra is the one. If someone told me that I could only have 1 ham radio, it would be the Sierra. Notice that I said 1 ham radio, not 1 kit. I would chose the Sierra over any commercial rig or kit.

The usual disclaimers apply here. I don't have an interest financially in Wilderness Radio, I pay for my kits just like anyone else, and I am just a satisfied customer. 72, Doug, KI6DS

From owner-qrp-l@Lehigh.EDU Thu Sep 19 23:12:30 1996
From: Ron Giuntini <rong@slip.net>
Subject: [193] Vernon Hatley
Message-ID: <E0v3pq0-0006GY-00@mouse.slip.net>

Sorry for the space on the list, but Vernon, I need your e mail address, my reply was sent back undelivered...

Ron KB6GK
NorCal #1718
San Francisco

From owner-qrp-l@Lehigh.EDU Thu Sep 19 23:12:30 1996
From: "rohre" <rohre@arlut.utexas.edu>
Subject: [202] Who asked about ZS6BKW ant?

Message-ID: <n1368957797.5693@msmailgw1.arlut.utexas.edu>

Excuse the bandwidth, I have misplaced the note on who was asking about this G5RV variant that covers the WARC bands.

I have made one, and used it, from the CQ magazine piece by Bill Orr W6SAI, several years ago. It worked in a very good way, for bands other than 15m, and 80m, (which are the poorest bands for these.)

My application was a very low dipole, 15 feet up on one end and 20 feet on the other, with higher end North, and lower South. But because it ran over the house, the ladder line feed of 450 ohm poly covered line ran at same height as center of antenna to the East, to a convenient tree. From there coax RG8X to shack. A backstay guy went West to another support. I call this the ZS6BKW-K5KVH antenna. It is a horizontal Tee if viewed from above, and seemed to be good on DX in many directions.

On DX it would work into Chile and Australia sometimes at the same time. Very good on 40m DX, SSB for roundtables. The wire was 14 gauge stranded bare copper. Bought the raw parts and made it up, and had a barrel of fun with it, until a wind storm took the pole holding up the South end. (The antenna did not break). Hope to make some measurements on it with the Autek, which I did not have when the antenna was constructed. Need to put up another pole with new Sunspot cycle on way.

Have been subsisting on an all band Gap Titan for my DX fix.

72, Stuart K5KVH

From owner-qrp-1@Lehigh.EDU Thu Sep 19 23:12:30 1996
From: "James C. Owen, III" <owen@apollo.eeel.nist.gov>
Subject: [175] RE: 600 ohm feedline length?
Message-ID: <39645.owen@apollo.eeel.nist.gov>

In message 19 Sep 96 00:13:57 EDT,
"W. D. Doc Lindsey" <70511.3041@CompuServe.COM> writes:

> Hi Gang:

>

> I am planning to build a 66' dipole...and will feed it with 600-ohm
> ladder line. Will of course use a tuner. The whole thing will become an
> inverted vee.

>

For 40 meters of course.

> My question--What should the optimum feedline length be? IE, is there an
> absolute minimum length?

Absolutely--Long enough to reach from the antenna to the tuner. The ideal length is 1/2 wavelength--66ft for your antenna--this length will allow the exact feedpoint impedance at the antenna to be seen also at the tuner, but it really doesn't matter too much in this case. Your antenna will present a feedpoint impedance of somewhere between 50-75 ohms when tuned to resonance. Since the feedline is 600 ohms there will be a mismatch at the antenna but since 600 ohm line is so low in loss the additional loss due to the mismatch will be negligible. So use whatever line length is convenient.

> > Also, what problems will I likely encounter?

You shouldn't have any if you make good connections.

> And, what is the best method of feeding it into my shack from outside the
> house?

Well you have to get it in somehow and keep it somewhat insulated from the building, at least at the point where it might get wet. Several feedthrough insulators through the wall cavity or through the window glass will work fine. It doesn't have to be fancy just insulated by about 1/4 inch or so.

Finally, what recommendations do you have for terminating the line (the tuner has > simple wingnut terminals, in addition to the standard 239 connector)?

Since the feedline is balanced use the balanced output of the tuner--these should be the wingnut terminals. You can attach the line directly under the wingnuts or devise a fast disconnect--a pair of banana plugs and jacks work fine for this. Just one caution--have a way to ground both leads of the feedline to the shack ground when you are not using the antenna. With openline feed that is not directly grounded you WILL build up static charges during a storm and if you just disconnect and let lie you WILL get arcs from the feedline to the nearest ground--been there, done that.

> > Many thanks for all input received. > > 73, > --Doc/K0EVZ

>

73 Jim K4CGY QRP-L #72

From owner-qrp-l@Lehigh.EDU Thu Sep 19 23:12:30 1996
From: "Frank G3YCC" <g3ycc@enterprise.net>
Subject: [197] Re: ? GQ-40 bugs and mods?
Message-ID: <199609192214.XAA04122@mail.enterprise.net>

Check my web page, all you need is there!

--

Frank G3YCC (G QRP 042)

QRP Web Page:

<http://homepages.enterprise.net/g3ycc/>

From owner-qrp-1@Lehigh.EDU Thu Sep 19 23:12:30 1996
From: "C. J. Hawley" <c-hawley@uiuc.edu>
Subject: [171] Re: Butternut Verticals
Message-ID: <32415A6A.59E2@uiuc.edu>

Thomas J. Whalen wrote:

>
> On Tue, 17 Sep 1996, Ron Giuntini wrote:
>
> > Anybody using HF6V Butternut vertical QRP? I have one but have never used
> > it. (Got it for 50 dollars). I need the 75 ohm matching section. Also need
> > to know the proper length for the 20 meter wire on the side of the thing. I
> > could lay out some radials and try it I guess. Probably will eventually.
> > Just want to know who is happy with it on QRP. Thanks for your input.
> >
> > Ron KB6GK
> > NorCal #1718
> > San Francisco
> Ron, I cant find my hf6v manual, but when I do Ill get you the length of
> the 75 ohm line. Also that wire on the side of the vertical is a quarter
> wave stub for 15 meters. Will get you the exact lenght of that too. cu
> soon Tom WB5QYT> > >

I don't think it's in the manual (the length). It should be a quarter wave on 20 Meters.

$\text{length in feet} = 984 * (\text{vel factor of cable}) / (4 * \text{Freq})$

The wire for 15M is 11 ft, 3 in, to start with. You have to make it a little longer or shorter depending on the tuning on 15M (start with a somewhat longer wire and fold it back on itself)

Chuck, KE9UW

From owner-qrp-1@Lehigh.EDU Thu Sep 19 23:12:30 1996
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
Subject: [165] Re: Dipole Wire Diameter
Message-ID: <Pine.SOL.3.94.960919074325.9185A-100000@utkux4.utcc.utk.edu>

On Wed, 18 Sep 1996, Dick Slavens wrote:

> LB,
> Is there a formula to determine the increase in bandwidth as the element
> becomes "fatter" ??
> tnx es 73,

> Dick WA6TMF Napa, CA
>
Dick,

Your question is an interesting one, because I have not seen an easy formula. So I did a quick modeling of a 20-meter dipole in free space and took approximate 2:1 SWR frequencies for the models. I use decimal inch diameters to get a 2:1 diameter ratio from one model to the next. Here is what I got:

Diameter in inches	Bandwidth in kHz
0.01	510
0.02	570
0.04	620
0.08	690 (#12 = .0808" dia)
0.16	750
0.32	840
0.64	950 (about 5/8" dia)
1.28	1050 (about 1 1/4" dia)

You can double your bandwidth by increasing the diameter of the wire by something over 100 times. Reality factors, as described in another posting, will affect the results you get. Double the bandwidth as you double frequency, and halve it as you halve the frequency--the ratios will remain about the same. Remember that this is rough and ready, not picky and precise, but it is a reasonable indicator of expectations.

-73-

LB, W4RNL

From owner-qrp-l@Lehigh.EDU Thu Sep 19 23:12:30 1996
From: "Dana H. Myers" <myers@bigboy.West.Sun.COM>
Subject: [183] Re: FS Fairness?
Message-ID: <Roam.3.0.843150900.31428.myers@bigboy>

> Like many other QRP-L digest users (forced to use this mode due to work
> constraints), I have not been able to get in on the sale of a single
> goody offered on the list! - I wanted the Norcal 40, the Argo 505 etc.
> too guys! The guys who don't use digest mode (lucky fellows) always get
> in there first.
>
> I'd like to suggest to sellers that they might consider putting all the
> names of people who reply offering the full asking price into a hat 1
> day after their posting and pick a "lucky winner". I will do this

> myself, having been on the receiving end of the "unfairness" for so
> long.

>

> Give us digest users a break!

Why is this any different than people who can read the newspaper want
ads in the morning versus those that read them in the evening? It may
be frustrating to miss out on things you want, but I don't think this
is a problem worth trying to solve.

Dana KK6JQ
Dana@Source.Net

From owner-qrp-l@Lehigh.EDU Thu Sep 19 23:12:30 1996
From: Kevin Muenzler <wb5rue@amsat.org>
Subject: [184] Re: FS Fairness?
Message-ID: <01I9NUJH4GN0AIKNA4@ARWEN.UTHSCSA.EDU>

-> Like many other QRP-L digest users (forced to use this mode due to work
-> constraints),

Why are you doing this at work? You should be working at work! Don't
give me this BS about it's lunch time or break time either. You are
using company property for personal use.

-Why is this any different than people who can read the newspaper want
-ads in the morning versus those that read them in the evening? It may
-be frustrating to miss out on things you want, but I don't think this
-is a problem worth trying to solve.

-Dana KK6JQ
-Dana@Source.Net

That's right Dana. I think that these people define fairness as
lowest common denominator. It's the old "make it easy for everyone"
attitude. It's ruining our schools. Instead of making the teachers
earn their salary they make it easier for the teachers by making
it easier for the students. The teachers don't have to teach
so the students don't have to learn. Everyone makes good grades
but they can't read their diploma when they graduate. Yet taxes
go up and up. Thirty years ago in the one of the local school
districts there was one administrator for each 20 teachers,
20 cents of each tax dollar went to administration.
Now there is one administrator for each 4 teachers, 83 cents
of each tax dollar goes to administration. So much for computers
making things more efficient!

Sorry for going off on a tangent but this "fairness" BS just burns my beehind!

Kevin, WB5RUE
wb5rue@amsat.org

..and now back to our regularly scheduled subject....

From owner-qrp-1@Lehigh.EDU Thu Sep 19 23:12:30 1996
From: Monte Stark <ku7y@sage.dri.edu>
Subject: [190] Re: FS Fairness?
Message-ID: <Pine.SUN.3.90.960919113747.655C-1000000@vortex.sage.dri.edu>

On Thu, 19 Sep 1996, Kevin Muenzler wrote:

> You are using company property for personal use.

Hi Kevin,

You seem to overlook the fact that many of us also use our home systems for work related items too. Where does that fit into the pot?

I guess I could demand that they spend \$5,000 to \$10,000 duplicating the equipment I have at home, but this seems silly to me.

And many of us get paid for our output, not for the time we spend in one place or another.

So while your assumption might be right for some, but it's not right for all.

Thanks for taking the time to look at this from another point of view.

OBQRP: If any of you are needing NV for any awards or just for the heck of it, I plan to operate the full 6 hours of the NEQRP contest this weekend.

Plan to spend most time on 20m. But condx will rule! Otherwise, look for me on 40m also.

cul,

73, Ron,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-1@Lehigh.EDU Thu Sep 19 23:12:30 1996
From: rright@primenet.com (Roger Hightower)
Subject: [203] Re: FS Fairness?
Message-ID: <199609200140.SAA10687@primenet.com>

"Fairness" is the most subjective term in the English language. There are at least a thousand definitions on this list alone. This thread could go on forever.

OBJQRP: Unable to locate any lighthouses/towers that my Springer could climb, I will be on the air for the entire NEQRP test from a lake in N. Central AZ. She likes the water and I just might catch as many trout as I make contacts, :-).

CU on the bands.

72/73 de Roger AA7QY

NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From owner-qrp-1@Lehigh.EDU Thu Sep 19 23:12:30 1996
From: rright@primenet.com (Roger Hightower)
Subject: [205] Re: Help with 49er
Message-ID: <199609200143.SAA11303@primenet.com>

At 01:57 PM 9/19/96 -0500, ukii wrote:

>Hello,

> Well,I managed to get stuck already...(49er kit)

>Can anyone please check capacitor C-13 and see if it IS

>polarized? (snip)

>

My schematic shows it as polarized.

72/73 de Roger AA7QY

NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From owner-qrp-l@Lehigh.EDU Thu Sep 19 23:12:30 1996
From: Steve Hideg <Steve.Hideg.1@nd.edu>
Subject: [173] Re: I finally did it!
Message-ID: <v03007812ae670e6e535a@[129.74.35.16]>

>You have been assigned QRP-L member #715.
>Use it only for good, not evil.
>
>*** Obe won, I will do my best....
>I have attempted to join the QRP-L at least 4 times over the past 6 months,
>but always pushed the wrong keys, or maybe it was my cats fault for stepping
>on the kwyboard just before I sent off my request (yeah...that's it).
>
>Whoever invented the on-line registration from the QRP_l Web Page should get
>some kind of special award! ***
>
>CUL, Bill-N7MFB
>QRP-L #715

Gosh, thanks!

--Steve

Steve Hideg, N8HSC/9 QRP-L #136
Check out the Internet QRP Club's site on the WorldWide Web:
<<http://qrp.cc.nd.edu/QRP-L/>>

From owner-qrp-l@Lehigh.EDU Thu Sep 19 23:12:30 1996
From: rhight@primenet.com (Roger Hightower)
Subject: [157] Re: Moderation Vote Resu
Message-ID: <199609190452.VAA15189@primenet.com>

At 11:53 PM 9/18/96 EDT, Dan Keen wrote:

>Sir, you are here betting against Bill Gates. Normandy" has been a biggee
>with MS, albeit not as considerable as "Chicago" or "Cairo".
>
(snip)

>Lots of QRP groups might now be unmoderated, but long green is soon going to

>come begging for them to reconsider (at least in Gates' dreams).
>
> Dan
>
> 70731.722@compuserve.com

Please keep this thread off the list....private e-mail will let you work it out.
Has nothing to do with the purpose of the list.

72/73 de Roger AA7QY

NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From owner-qrp-l@Lehigh.EDU Thu Sep 19 23:12:30 1996
From: Dan Keen <70731.722@compuserve.com>
Subject: [159] Re: Moderation Vote Resu
Message-ID: <960919060648_70731.722_EHM31-1@CompuServe.COM>

> Please keep this thread off the list....private e-mail will let you work it
> out.
> Has nothing to do with the purpose of the list.

Ok, will do! :)

Only posting onto the list this here my last one in this thread because it is
in reply to your's above.

Cheers, OM.

Dan KN6TM
70731.722@compuserve.com

From owner-qrp-l@Lehigh.EDU Thu Sep 19 23:12:30 1996
From: Dan Keen <70731.722@CompuServe.COM>
Subject: [200] Re: Moderation Vote Resu
Message-ID: <960920001636_70731.722_EHM65-2@CompuServe.COM>

Thanks Myron, much appreciated. But non-use of capitals on the QRP-L list
would no doubt appear to be anti-MILLian heresy to at least one of the list's
vigilante squads. Each one of them seem to have there own idea of what QRP
orthodoxy is.

Dan
70731.722@compuserve.com

From owner-qrp-1@Lehigh.EDU Thu Sep 19 23:12:30 1996
From: Dan Keen <70731.722@CompuServe.COM>
Subject: [201] Re: Moderation Vote Resu
Message-ID: <960920001632_70731.722_EHM65-1@CompuServe.COM>

> Dan,
> I see you are one of us, the BGB (Bill Gates Bashers).
> We are legion.
> Mind you, unless you like to protest fashion by wearing your pants
> backwards, you'll end up using his products.
> Glen VE3DNL Cool! it works with Linux

Glen, Windows is very slow (as we all know). DOS apps are usually more powerful, too.

Never used Linux myself.

Maybe MicroSoft BOB is the answer! What a powerful OS that is...

Your handle could be V E 3 Doesn't Knock Linux.

Dan KN6TM

70731.722@compuserve.com

From owner-qrp-1@Lehigh.EDU Thu Sep 19 23:12:30 1996
From: George Gingell <k3tks@u1.abs.net>
Subject: [166] Re: NCS needed Sunday
Message-ID: <Pine.BSI.3.93.960919072618.6913A-100000@u1.abs.net>

MY, OH MY, That's is Exactly what I did. I didn't plan it that way, but that is how it came out. When I got home from work and checked on the 5 batteries on charge, I measured them with the Fluke 87 and thought, you must have the meter probes reversed, it cant be reading -5.6 volts Then I noticed that the Negative Charge lead was still connected to the Positive Terminal of the battery chain. I had the 5 cells strapped

in parallel with a string of Solder.. I had lifter the Positive lead from the charger while I checked the battery voltage. Then I pulled the charger off altogether and pulled the battery straps so I could measure the individual cells. Cells 1-4 still read -5.3v, cell 5 read +5.6v 1 normal and 4 "Reversed"? That really blew my mind. I might add that cells 1-3 had been below +3 volts at the start. # 1 & 2 were +1v or less, #3 was abt +3v, #4 & #5 were +4.6v at the start. I wrote the start voltages on masking tape on the batteries before I started. I also marked an ID # on each cell with a magic marker. My next step was to dig out my AUTO Tail lamp with gator clips and restrap all 5 cells in parallel and hook up the load lamp. Yes, I recorded all the voltage measurements on each cell before proceeding to this phase. This discharge was fairly quick, about an hour or so while we had dinner. When the terminal voltage got down to about .5 volts, I reconnected the Motorcycle battery charger to the 5 cells in the "CORRECT" POLARITY. I charged them like that for most of the evening. When I checked them at about eleven o'clock, I found that they were looking normal around +5 volts or so. For some reason, I took cell 5 off and moved it over to a regular auto type charger for the night. The other four remained on the Motorcycle charger for the night. I had planned to take them all off charge in the am before I left for work. In a rush, i forgot. That means they all received about 20 hours of charge by the time I got home from work. All look reasonably good at near 6volts. some a little more some a little less? How long they will last I do not know, but at least for now, I have 13 fully charged 6v 4 ah cells ready to go for QRP afield or whatever? I also topped off a couple of other 12V Gel cells. I should be good to go if the lights go out. Hmmm that reminds me I need to check the Emergency Lighting System. Don't you just hate it when the power goes off and leaves you in the dark? It is time to make up a new Back up power& Light box. I had to throw away the old car battery this year. It was in a box with a floodlight lamp holder and a Homemade Candle. (Use a piece of pvc an old light bulb base, an automobile tail light bulb and some epoxy glue.) I put the battery in a box lined with sheetrock and styrofoam, mounted the lamp on the lid and put a regular light switch on the side. It also had leads for charging and for external load (QRP RIG). It was real handy whenever the power goes off, just haul it upstairs and set it on the dining room table. Good for several hours of light. I found that the tail light bulb was just right. Amazing how much heat and light it gives off. (About 1 amp). Never thought of it before, but this might make a good article for the Quarterly or whatever. Maybe I will send it to Ron and Mike and see if they want to EDIT it and use it. :^).

That's about it for now Paul, Hope I get a chance to get on the air this weekend. We (MARYLAND MILLIWATTS) have a dinner date with Chuck tonight. If you ever get up this way, give me a shout, I will give you the 50 cent tour of my QRP Antique Museum and Anthropological Collection :^) We can also do TJ's for lunch or dinner.

72,73 es

QRP DX TU (C) 1986 G.Danny Gingell, K3TKS@abs.net

Maryland Milliwatt Club QRP Reference Library, (301)572-6789

On Wed, 18 Sep 1996, Paul Stroud wrote:

> George Gingell wrote:

> I had an interesting experience with how not to charge Gel

> > cells this week. I think I have discovered how to create "ANTI-MATTER"

> > :^) "Reverse Charge the Batteries".

> >

> > QRP DX TU (C) 1986 G.Danny Gingell, K3TKS@abs.net

>

>

> Danny,

>

> That reminds me of the time I challenged one of my coworkers to
> charge a 12V 7AH gel cell that had never been used, but was dead as a
> doornail. I couldn't get the sucker to take a charge at all. Wellsir,
> he banged it on his basement floor several times and then reverse
> charged it up to 12V, at which time the red (positive) terminal became
> the negative battery terminal and the black terminal became the positive
> terminal! (No I haven't been drinking). Then he put a load on it let
> it completely discharge. He then applied normal polarity charge current
> to the battery, after which it displayed like new capacity. Sure was an
> enlightening experience for me! That gel cell still works like new two
> years later.

> 72,

> Paul

>

From owner-qrp-1@Lehigh.EDU Thu Sep 19 23:12:30 1996

From: GREGOIRE@ENDOR.COM (ERNEST GREGOIRE)

Subject: [196] Re: Phone OK on QRP Afield

Message-ID: <199609192148.RAA56322@nss2.CC.Lehigh.EDU>

>Hi gang,

>

>FYI wanted to let you know that phone is permissable on QRP Afield this
>Saturday. Same power limits though. Chet Bowles verified this for me. I'm
>hoping to lure some local club members down. Their code is a bit rusty.

>

>GL

>

>73 Kevin KB2TE0

Good point Kevin,

I will be unable to participate "Field Day Style", in the qrp- afield due to a recent surgery. But I would love to give out points for the other "Field stations", so I'll be doing both SSB and CW.

See you on the air.

73 de AA1IK
Ernie

From owner-qrp-1@Lehigh.EDU Thu Sep 19 23:12:30 1996
From: GREGOIRE@ENDOR.COM (ERNEST GREGOIRE)
Subject: [198] Re: QRP+ - Worth??
Message-ID: <199609192248.SAA37378@nss2.CC.Lehigh.EDU>

>I posted an FT 50R and a QRP + for sale earlier this week. The 50R is gone,
>but the QRP+ remains.

>

>No offers or questions on the QRP+ to date. . Was asking \$550.00 shipped
USA. Is

>this price in the ball park. I'm wondering because of no offers or questions
>at ALL!!

>

>Ken K3RFN
>evans.ken@bwi.bls.com

Hello Ken,

I had a nice chat with Bruce Franklin last night, he said that the latest serial numbers are over the 1800 mark.

I'll bet the reason for your problem is that if someone wants one, they buy it new. He also said something about getting serious about the accessory package that he talked about 2 years ago.

73 de AA1IK
Ernie

From owner-qrp-1@Lehigh.EDU Thu Sep 19 23:12:30 1996
From: Steve Hideg <Steve.Hideg.1@nd.edu>
Subject: [172] Re: QRPWORLD.COM
Message-ID: <v03007811ae670beabee2@[129.74.35.16]>

>Hi Gang:
>
>This is an announcement to introduce you to QRPWORLD.COM.
>
>Access = <http://www.qrpworld.com>
>
>This site has just made its debut on the www and you're the first to know.
>We hope this site will develop into a valuable additional bookmark on your
>browser. Heck, you might even be able to eliminate some since we hope to
>provide links to all your favorite QRP sites. We also offer ftp access.
>Though I've been pretty silent on the QRP-L, I have read quite a bit of the
>mail and noticed some of you have files that are longer than what might be
>considered etiquette to post here. For such items, we can offer a posting on
>QRPWORLD for download from our ftp site.
>
>Please feel free to check out [qrpworld.com](http://www.qrpworld.com) and post your comments. There's a
>short form at the site for just that purpose. Thanks for the bandwidth!
>
>73, Tom WA8DXD

There are already TWO sites for posting files related to QRP-L:

The ftp site at the listerv: <<ftp://ftp.lehigh.edu>>
The Internet QRP Club (QRP-L) site: <<http://qrp.cc.nd.edu/QRP-L/>>

Steve Hideg, N8HSC/9 QRP-L #136
Check out the Internet QRP Club's site on the WorldWide Web:
<<http://qrp.cc.nd.edu/QRP-L/>>

From owner-qrp-1@Lehigh.EDU Thu Sep 19 23:12:30 1996
From: "John A. Evans - N3Q00" <jaevans@cos.cst.titan.com>
Subject: [174] Re: QRPWORLD.COM
Message-ID: <199609191459.KAA48871@nss2.CC.Lehigh.EDU>

> There are already TWO sites for posting files related to QRP-L:
>

> The ftp site at the listerv: <ftp://ftp.lehigh.edu>
> The Internet QRP Club (QRP-L) site: <http://qrp.cc.nd.edu/QRP-L/>
>
>
> -----
> Steve Hideg, N8HSC/9 QRP-L #136
> Check out the Internet QRP Club's site on the WorldWide Web:
> <http://qrp.cc.nd.edu/QRP-L/>

And then there were three !!!

72, n3qoo

John A. Evans Chief System Administrator
Office: (719) 528-1800 x164 Titan Client/Server Technologies
Fax: (719) 528-1275 1115 Elkton Dr, Suite 200
email: jaevans@cos.cst.titan.com Colorado Springs, CO 80907-3535

From owner-qrp-l@Lehigh.EDU Thu Sep 19 23:12:30 1996
From: Bob Hightower <ki7mn@dancris.com>
Subject: [176] Re: QRPWORLD.COM
Message-ID: <199609191502.IAA25181@dancris.com>

At 09:45 AM 9/19/96 -0500, you wrote:

>
>
> There are already TWO sites for posting files related to QRP-L:
>
> The ftp site at the listerv: <ftp://ftp.lehigh.edu>
> The Internet QRP Club (QRP-L) site: <http://qrp.cc.nd.edu/QRP-L/>
>
>

Right! Let's try to keep all the nitty gritty in one place. Makes it easier to find :^).

73,

Bob KI7MN NorCal 1221 ARCI 8918 Qrp-l 271 CQC 274 ARRL (Not in any order of importance!)

From owner-qrp-l@Lehigh.EDU Thu Sep 19 23:12:30 1996
From: chuckolson@juno.com (Chuck Olson)

Subject: [195] Re: QRPWORLD.COM
Message-ID: <19960919.153639.8231.0.chuckolson@juno.com>

On Thu, 19 Sep 1996 09:54:17 -0400 Tom <wa8dxd@magicnet.net> writes:

>This is an announcement to introduce you to QRPWORLD.COM.
>Access = <http://www.qrpworld.com>
>This site has just made its debut on the www and you're the first to

Tom -

I checked out your site and am glad I did. You should have mentioned the scanned issue of "The Milliwatt" (from 8/70)! I've heard of the Milliwatt but I'd never seen a copy before - what a treat and what nostalgia. I may have to get a CDROM drive for my computer to handle the upcoming CDROM compendium of the Milliwatt.

Best Regards,

Chuck
WB9KZY
Washington Island, WI

From owner-qrp-1@Lehigh.EDU Thu Sep 19 23:12:30 1996
From: Jim Hunter <jhunter@sunrise.alpinet.net>
Subject: [192] Re: TenTec Scout
Message-ID: <Pine.SOL.3.91.960919140331.15108A-100000@sunrise.alpinet.net>

I would like to get an evaluation of the Ten Tec scout. I am interested in doing some mobile work and portable work

How easy to tune down to 5 watts , how is the receiver, etc

tnxs

From owner-qrp-1@Lehigh.EDU Thu Sep 19 23:12:30 1996
From: lve1@inel.gov (Larry V East)
Subject: [179] RE: The Digest and Selling Stuff
Message-ID: <2.2.16.19960919152246.1c6f43e4@eloi>

>
> I think it would be asking too much of the potential sellers to have
>to collect all of the names and relevent information, and then wait.
>If nothing else, think of how many people will have had second thoughts

>by the time the seller picks a name, thereby forcing the seller to
>contact a potentially long list of people to find someone who doesn't
>actually regret making an offer in the first place. ;-)
>

Well, I did the "put the names in a hat and draw the winner" thing and it is no big deal. If the "winner" backs out, then just pick another name. Again, no big deal. But much more fair to us who aren't able to pounce on every opportunity immediately.

Just my two (binary) bits worth...

From owner-qrp-1@Lehigh.EDU Thu Sep 19 23:12:30 1996
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
Subject: [180] Re: tuner losses
Message-ID: <199609191532.KAA32025@multi2.pic.net>

This was my first reaction, too, but if you reread his original post, he did put a 50 ohm load on the wattmeter, and then adjusted the tuner to match from 50 ohms to 50 ohms. So I'm still unpleasantly mystified by the results.

Mike K1MG

> From: Denton Bramwell <denton@cyber-west.com>
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
> Subject: RE: tuner losses
> Date: Wednesday, September 18, 1996 5:40 PM
>
> Most RF wattmeters need to 50 ohms at the output in order to read
> accurately. If you hook the tuner BEFORE the wattmeter, the meter
> is looking into heaven-knows-what for an impedance, and the readings
> are not to be trusted. Next step: CTRL ALT DEL.
>
> The only way I know to check tuner efficiency involves putting the tuner
> right after the transmitter, terminating it in a known (but non 50 ohm)
> resistance, adjusting the match for 1:1, and using an oscilloscope
> across the resistor to measure voltage. Note that anything above
> QRP is definitely hazardous to the health of 'scope probes.
>
> Denton
> K7OWJ
>

From owner-qrp-1@Lehigh.EDU Thu Sep 19 23:12:30 1996
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
Subject: [164] Re: Wire for dipoles
Message-ID: <Pine.SOL.3.94.960919064432.2533C-100000@utkux4.utcc.utk.edu>

On Thu, 19 Sep 1996, Robert Paschal wrote:

I haven't tackled the math or
> checked on wire diameters but I expect that if someone does they will find
> that as long as we are dealing with HF and wire conductors the difference
> will be small if not negligible. Or have I misunderstood the question?? I
> often do.
>
> Bob AA0MC
Bob,

No misunderstanding. For normal outside antennas, with wire in the #20 to #10 range, the length difference due to diameter difference will be so small that other factors will affect length more. For example, the loops of wire made around the end insulator make a nice big capacitive blob at the element end. The trees, poles, and other supports, while not especially conductive, are still sufficiently conductive to change the length. Antenna height when below about 2 wavelengths also affects resonant length. What is under the antenna and how far under also has an effect. Hence the wisdom of the old advice: use the formula, cut long, prune down to resonance.

The time required to measure and calculate from all the variables in a given environment often make practical adjustment the most theoretically sound. That is also why we simply adjust an ATU for best output and SWR at the input rather than measuring the R and X at the feedline end and then calculate the network C and L values needed for a match.

-73-

LB, W4RNL